

Converting Colors

$Y_{xy}(23.0671, 0.6249, 0.3420)$

Have a look what the booklet for
Yxy(23.0671, 0.6249, 0.3420)
contains.

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Color

Yxy(23.0614, 0.6249, 0.3420)

Conversions

Conversions Part 1

Format	Color
Hex	FF2C00
RGB	255, 44, 0
RGB Percent	100%, 17%, 0%
CMY	0.0001, 0.8272, 0.9998
CMYK	0.00, 0.83, 1.00, 0.00
HSL	10°, 100%, 50%
HSV	10°, 100%, 100%
XYZ	42.1376, 23.0614, 2.2320
YIQ	102.0730, 139.8800, 31.0480

Conversions

Conversions Part 2

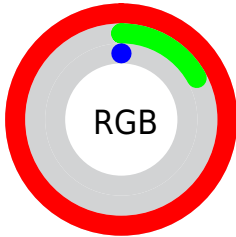
Format	Color
RYB	255, 53, 0
Decimal	16722944
CIELab	55.14, 74.63, 67.91
CIELCh	55, 100.908, 42.300
Yxy	23.0614, 0.6249, 0.3420
Android (android.graphics.Color)	4294913024 (0xFFFF2C00)
YUV	102.0730, -50.3220, 134.1170
Hunter-Lab	48.0223, 72.5876, 30.8599

Details

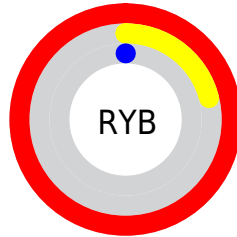
The Yxy color **23.0614, 0.6249, 0.3420** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **53.8043, 0.2088, 0.2718**, and the grayscale version is **13.4227, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.1853, 0.5358, 0.3714**, and **10.6914, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **23.0592, 0.6249, 0.3420**, and if you desaturate by 10%, it is **25.1279, 0.6019, 0.3492**.

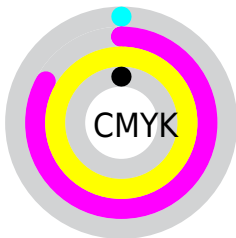
Distribution



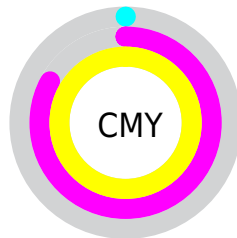
- Red (100%)
- Green (17%)
- Blue (0%)



- Red (100%)
- Yellow (21%)
- Blue (0%)



- Cyan (0%)
- Magenta (83%)
- Yellow (100%)
- Black (0%)




- Cyan (0%)
- Magenta (83%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.0614, 0.6249, 0.3420 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 23.0614, 0.6249, 0.3420 by changing the saturation by 10% instead.


 23.0614, 0.6249,
0.3420


 23.0614, 0.6249,
0.3420


268.0402, 0.4676,
0.3622


 14.6389, 0.6573,
0.3273


 48.4941, 0.5718,
0.3570


 8.5663, 0.6951,
0.3049


 66.2731, 0.5503,
0.3604


 4.4594, 0.7317,
0.2683

 87.9397, 0.5316,
0.3623

 1.9337, 0.7817,
0.2183

 113.8782, 0.5153,
0.3631

 0.5685, 0.8589,
0.1411

 144.4731, 0.5011,
0.3634

 0.0000, 1.0000,
0.0000

 180.1089, 0.4886,

 0.0000, 0.0000,


0.3632


0.0000


 221.1697, 0.4775,
0.3628


 23.0614, 0.6249,
0.3420

 23.0614, 0.6249,
0.3420


 23.0592, 0.6249,
0.3420

 25.1279, 0.6019,
0.3492

 28.1923, 0.5678,
0.3543

 32.3748, 0.5265,
0.3562

 37.7724, 0.4834,
0.3552

 44.4713, 0.4428,
0.3521

■ 52.5494, 0.4069,
0.3478

■ 62.0788, 0.3764,
0.3430

■ 73.1262, 0.3509,
0.3381

■ 85.7543, 0.3299,
0.3334

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



23.0614, 0.5766, 0.2628



23.0614, 0.6249, 0.3420



23.0614, 0.5586, 0.4414

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



23.0614, 0.6249, 0.3420



23.0614, 0.1741, 0.5661



23.0614, 0.1361, 0.1169

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



23.0614, 0.6249, 0.3420



53.8043, 0.2088, 0.2718

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



23.0614, 0.0880, 0.1270



23.0614, 0.6249, 0.3420



23.0614, 0.0969, 0.3263

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



23.0614, 0.6249, 0.3420



23.0614, 0.2963, 0.6606



23.0614, 0.0749, 0.1820



23.0614, 0.2385, 0.1377

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



23.0614, 0.6249, 0.3420



23.0614, 0.4773, 0.5227



23.0614, 0.0749, 0.1820



23.0614, 0.1153, 0.1166

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



23.0629, 0.6249, 0.3420



62.0630, 0.3764, 0.3430



26.0374, 0.3692, 0.1807



12.3854, 0.3887, 0.3451



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



23.0629, 0.6249, 0.3420



23.0619, 0.6249, 0.3420



50.0110, 0.4950, 0.4451



18.4936, 0.3290, 0.3332



12.1968, 0.6227, 0.3438



1.3210, 0.6032, 0.3593

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



53.8043, 0.2088, 0.2718



53.8052, 0.2088, 0.2718



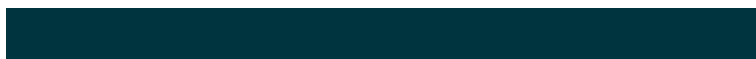
13.7218, 0.1624, 0.1046



19.9165, 0.2980, 0.3248



28.3100, 0.2091, 0.2728



2.8906, 0.2111, 0.2799

Previews

White Background



This preview shows how the Yxy color 23.0614, 0.6249, 0.3420 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 23.0614, 0.6249, 0.3420 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.0614, 0.6249, 0.3420

Background



This preview shows how black text looks on a background with the Yxy color 23.0614, 0.6249, 0.3420.



This preview shows how white text looks on a background with the Yxy color 23.0614, 0.6249, 0.3420.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

23.0614, 0.6249, 0.3420

Protanopia

23.2635, 0.4294, 0.4750

Deuteranopia

23.1372, 0.4701, 0.4649



Tritanopia

23.0691, 0.6087, 0.3308

Trichromacy



Original Color

23.0614, 0.6249, 0.3420

Protanomaly

20.0492, 0.5234, 0.4112

Deuteranomaly

20.5079, 0.5466, 0.4042

Tritanomaly

23.0579, 0.6174, 0.3367

Monochromacy



Original Color

23.0614, 0.6249, 0.3420

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

13.5356, 0.4712, 0.3544

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.0614, 0.6249, 0.3420 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 44, 0)` looks like.

```
.text, #text, p{  
  color:rgb(255, 44, 0)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 44, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 44, 0) }
```

Border

The CSS property to change the border of an element to Yxy 23.0614, 0.6249, 0.3420 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 44, 0) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(255, 44, 0) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(255, 44, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 44, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 44, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 44, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 23.0614, 0.6249, 0.3420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 44, 0) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255, 44,  
0) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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